



S30A-XXXXCA

S3000 Advanced

SAFETY LASER SCANNERS

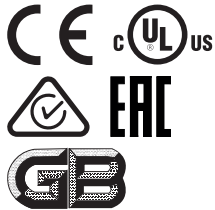
SICK
Sensor Intelligence.



Ordering information

Type	Part no.
S30A-XXXXCA	2026802

Other models and accessories → www.sick.com/S3000_Advanced



Detailed technical data

Features

Number of simultaneously monitored protective fields	≤ 4 ¹⁾
Angular resolution	Depending on range and resolution
Response time	60 ms ²⁾

¹⁾ If several protective fields are monitored simultaneously, the shut-off signals must be connected to safe outputs on a Flexi Soft safety controller or routed via a safe EFI gateway.

²⁾ Depending on basic response time and multiple sampling.

Safety-related parameters

Type	Type 3 (IEC 61496)
Safety integrity level	SIL2 (IEC 61508) SILCL2 (EN 62061)
Category	Category 3 (EN ISO 13849)
Performance level	PL d (EN ISO 13849)
PFH_D (mean probability of a dangerous failure per hour)	8.0 x 10 ⁻⁸ (EN ISO 13849)
T_M (mission time)	20 years (EN ISO 13849)

Functions

External device monitoring (EDM)	✓
Integrated configuration memory	✓
Measured data output	Via RS-422
Safe SICK device communication via EFI	✓

Electrical data

Protection class	II (EN 50178)
-------------------------	---------------

¹⁾ At 24 V DC without output load.

²⁾ At 24 V DC including maximum output load.

³⁾ Freely programmable, e.g. warning field, contamination, reset required.

Supply voltage V_s	24 V DC (16.8 V DC ... 28.8 V DC)
Power consumption	$\leq 0.8 \text{ A}^{1)}$ $\leq 2.3 \text{ A}^{2)}$
Outputs	
Output signal switching devices (OSSDs)	2 x 500 mA
Application diagnostic outputs	3 x 100 mA ³⁾

¹⁾ At 24 V DC without output load.

²⁾ At 24 V DC including maximum output load.

³⁾ Freely programmable, e.g. warning field, contamination, reset required.

Ambient data

Enclosure rating	IP65 (EN 60529)
Ambient operating temperature	-10 °C ... +50 °C
Storage temperature	-25 °C ... +50 °C
Vibration resistance	5 g, 10 Hz ... 150 Hz (IEC 61496, IEC 61496-3)
Shock resistance	
Continuous shock	10 g, 16 ms (IEC 61496, IEC 61496-3)

Classifications

ECl@ss 5.0	27272705
ECl@ss 5.1.4	27272705
ECl@ss 6.0	27272705
ECl@ss 6.2	27272705
ECl@ss 7.0	27272705
ECl@ss 8.0	27272705
ECl@ss 8.1	27272705
ECl@ss 9.0	27272705
ECl@ss 10.0	27272705
ECl@ss 11.0	27272705
ETIM 5.0	EC002550
ETIM 6.0	EC002550
ETIM 7.0	EC002550
UNSPSC 16.0901	39121528

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com